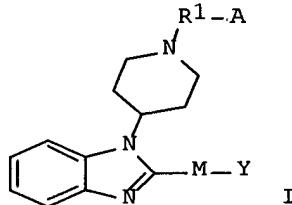


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS  
 AN 2001:573269 CAPLUS  
 DN 135:152805  
 TI Preparation of benzimidazoles as ORL1-receptor agonists for analgesics  
 IN Ito, Fumitaka; Noguchi, Hirohide; Ohashi, Yoriko; Shimokawa, Hirohisa  
 PA Pfizer Pharmaceutical Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 39 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001213878	A2	20010807	JP 2000-396414	20001227
	EP 1122257	A1	20010808	EP 2000-311316	20001218
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2001000014	A	20010828	BR 2001-14	20010104
PRAI	US 2000-174542	P	20000105		
OS	MARPAT	135:152805			
GI					



AB Title compds. I [R1 = C3-11 cycloalkyl, C6-16 bicycloalkyl, C6-16 tricycloalkyl, C8-16 tetracycloalkyl, etc.; A = (un)substituted C1-7 alkyl, C2-5 alkenyl, C2-5 alkynyl, aryl, etc.; M = single bond, CH2,O, S, SO, SO2, CO, NH, etc.; Y = 4- to 12-membered bicyclic carbon ring, 4- to 12-membered bicyclic hetero ring, 5- to 17-membered spiro carbon ring, 5- to 17-membered spiro hetero ring; Z1-Z4 = (un)substituted C1-4 alkyl, C1-4 alkoxy, C1-4 alkylsulfonyl, C1-4 alkylcarbonyl, carboxy, etc.] or their salts are prep'd. Tert-Bu 3-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-3,8-diazabicyclo[3.2.1]octane-8-carboxylate was treated with F3CCO2H in CH2Cl2 at room temp. for 0.5 h to give 77.6% 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazole HCl salt.

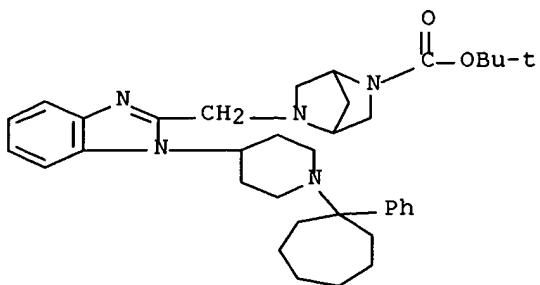
IT 352541-90-3

RL: RCT (Reactant)

(prep'n. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-90-3 CAPLUS

CN 2,5-Diazabicyclo[2.2.1]heptane-2-carboxylic acid, 5-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

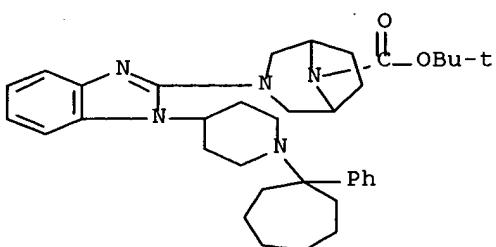


IT 352541-75-4P 352542-61-1DP, mesylate

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-75-4 CAPLUS

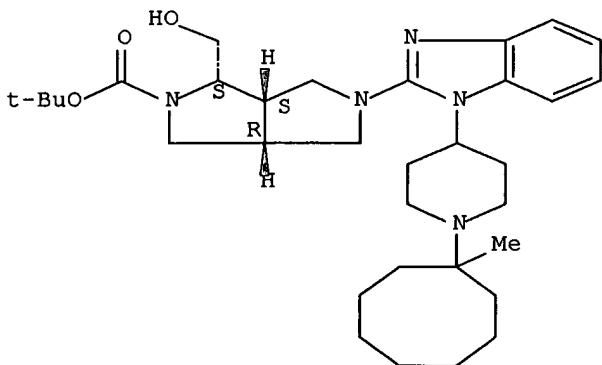
CN 3,8-Diazabicyclo[3.2.1]octane-8-carboxylic acid, 3-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 352542-61-1 CAPLUS

CN Pyrrolo[3,4-c]pyrrole-2(1H)-carboxylic acid, hexahydro-1-(hydroxymethyl)-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, 1,1-dimethylethyl ester, (1R,3aS,6aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

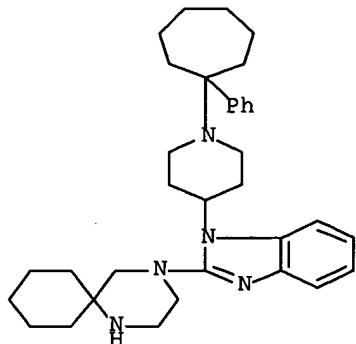


IT 352541-97-0P

RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-97-0 CAPLUS

CN 1,4-Diazaspiro[5.5]undecane, 4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



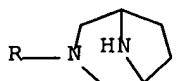
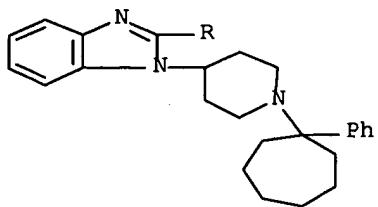
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 352542-01-9P 352542-03-1P 352542-05-3P  
 352542-07-5P 352542-09-7P 352542-11-1P  
 352542-13-3P 352542-15-5P 352542-17-7P  
 352542-19-9P 352542-20-2P 352542-21-3P  
 352542-22-4P 352542-23-5P 352542-24-6P  
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 352542-54-2P 352542-55-3P 352542-56-4P  
 352542-57-5P 352542-59-7P 352542-60-0P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prep. of benzimidazoles as ORL1-receptor agonists for analgesics)

RN 352541-94-7 CAPLUS

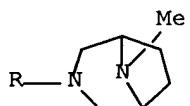
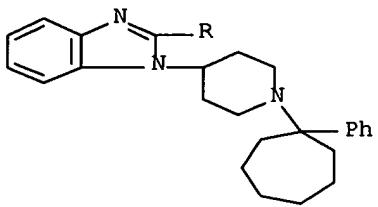
CN 1H-Benzimidazole, 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



© HCl

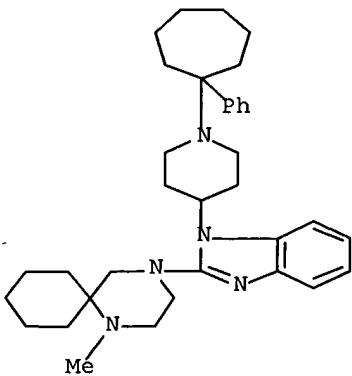
RN 352541-95-8 CAPLUS

CN 1H-Benzimidazole, 2-(8-methyl-3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352541-99-2 CAPLUS

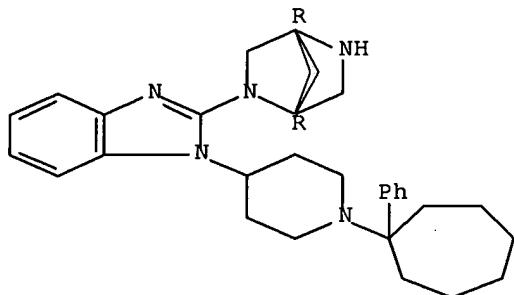
CN 1,4-Diazaspiro[5.5]undecane, 1-methyl-4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 352542-01-9 CAPLUS

CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

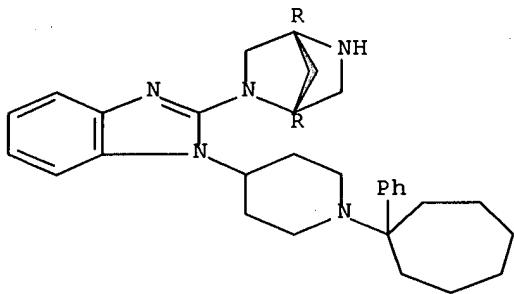


● HCl

RN 352542-03-1 CAPLUS

CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

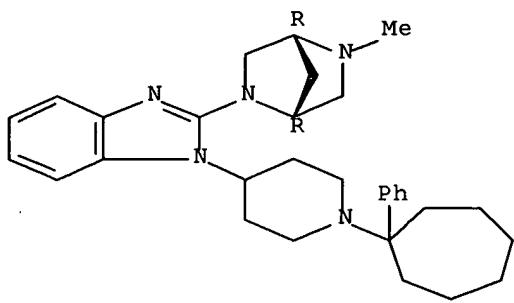
Absolute stereochemistry.



RN 352542-05-3 CAPLUS

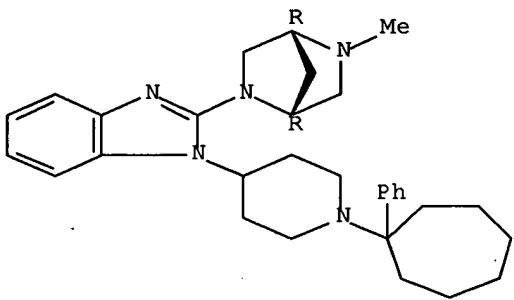
CN 1H-Benzimidazole, 2-[(1R,4R)-5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl]-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



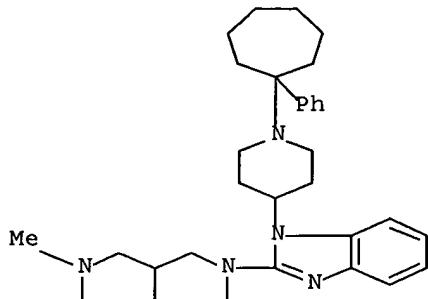
RN 352542-07-5 CAPLUS  
 CN 1H-Benzimidazole, 2-[(1R,4R)-5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl]-  
 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA  
 INDEX NAME)

Absolute stereochemistry.



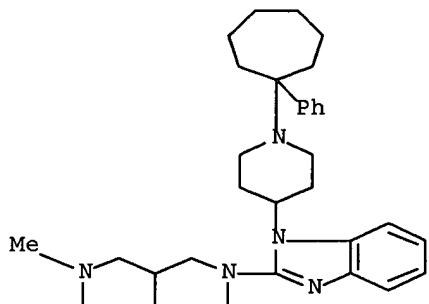
● HCl

RN 352542-09-7 CAPLUS  
 CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



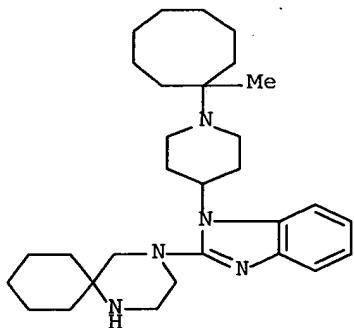
RN 352542-11-1 CAPLUS  
 CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-

[1-  
    (1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA  
INDEX  
NAME)

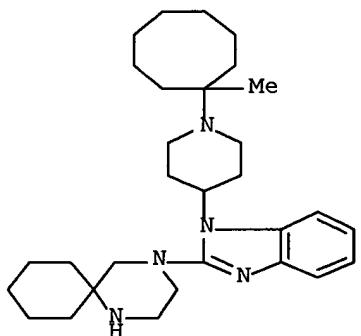


● HCl

RN 352542-13-3 CAPLUS  
CN 1,4-Diazaspiro[5.5]undecane, 4-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 352542-15-5 CAPLUS  
CN 1,4-Diazaspiro[5.5]undecane, 4-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

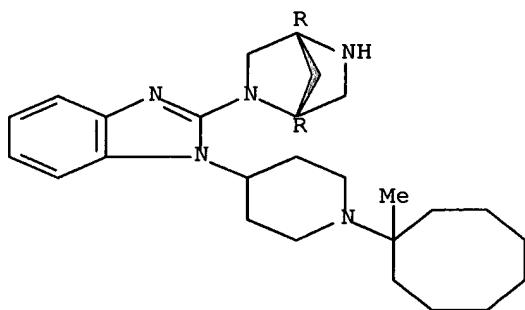


© HCl

RN 352542-17-7 CAPLUS

CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

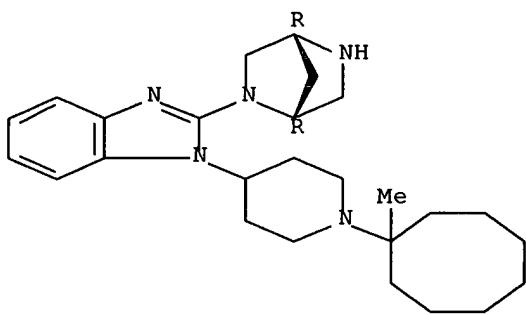


© HCl

RN 352542-19-9 CAPLUS

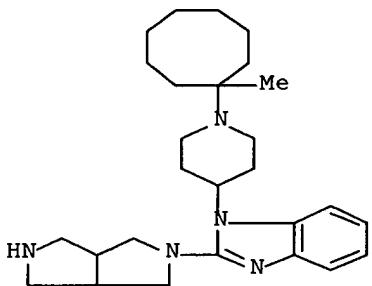
CN 1H-Benzimidazole, 2-(1R,4R)-2,5-diazabicyclo[2.2.1]hept-2-yl-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



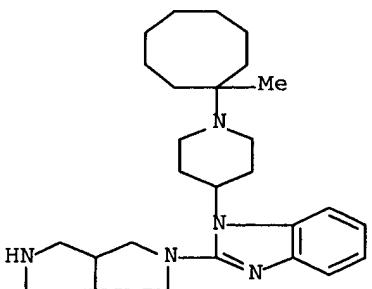
RN 352542-20-2 CAPLUS

CN 1H-Benzimidazole, 2-(hexahdropyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-21-3 CAPLUS

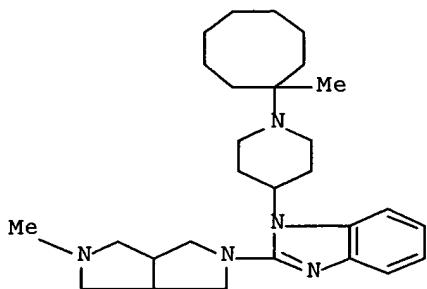
CN 1H-Benzimidazole, 2-(hexahdropyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



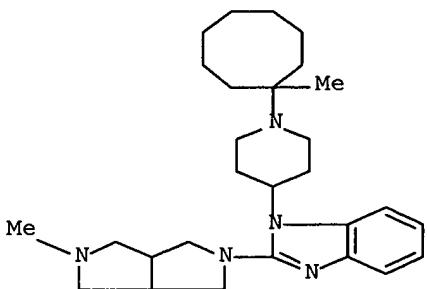
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RN 352542-22-4 CAPLUS

CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

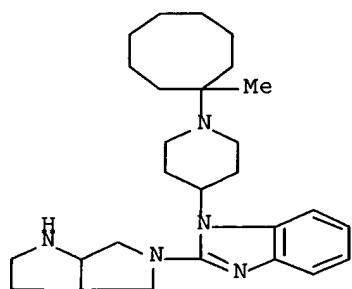


RN 352542-23-5 CAPLUS  
 CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-c]pyrrol-2(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



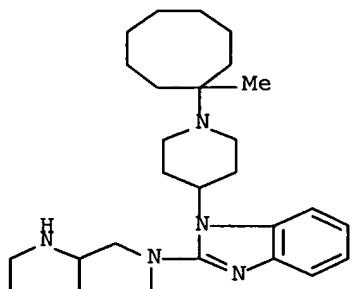
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RN 352542-24-6 CAPLUS  
 CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-b]pyrrol-5(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-25-7 CAPLUS  
 CN 1H-Benzimidazole, 2-(hexahydro-5-methylpyrrolo[3,4-b]pyrrol-5(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

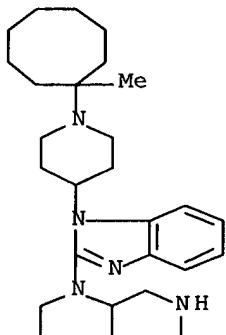
NAME)



• HCl

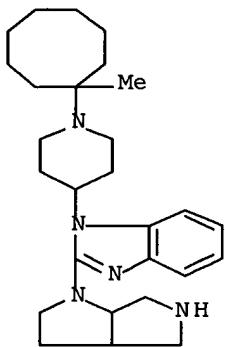
RN 352542-26-8 CAPLUS

CN 1H-Benzimidazole, 2-(hexahdropyrrolo[3,4-b]pyrrol-1(2H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-27-9 CAPLUS

CN 1H-Benzimidazole, 2-(hexahdropyrrolo[3,4-b]pyrrol-1(2H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

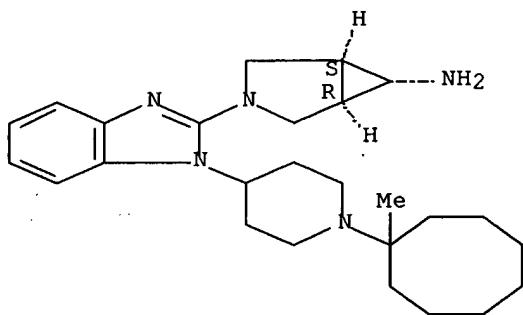


⊖ HCl

RN 352542-28-0 CAPLUS

CN 3-Azabicyclo[3.1.0]hexan-6-amine, 3-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, (1.alpha.,5.alpha.,6.alpha.)- (9CI) (CA INDEX NAME)

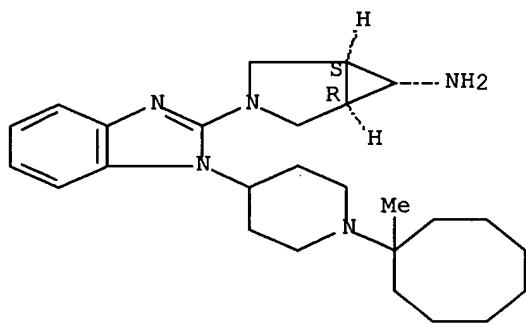
Relative stereochemistry.



RN 352542-29-1 CAPLUS

CN 3-Azabicyclo[3.1.0]hexan-6-amine, 3-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride, (1.alpha.,5.alpha.,6.alpha.)- (9CI) (CA INDEX NAME)

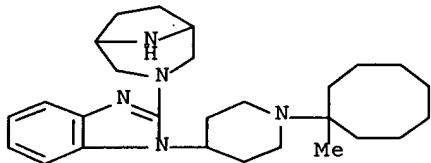
Relative stereochemistry.



® HCl

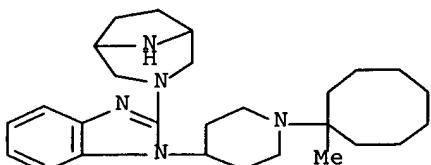
RN 352542-30-4 CAPLUS

CN 1H-Benzimidazole, 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-32-6 CAPLUS

CN 1H-Benzimidazole, 2-(3,8-diazabicyclo[3.2.1]oct-3-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

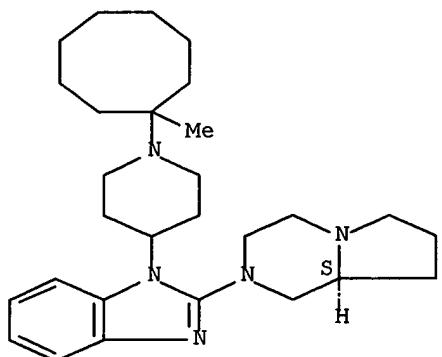


® HCl

RN 352542-33-7 CAPLUS

CN 1H-Benzimidazole, 2-[(8aS)-hexahdropyrrolo[1,2-a]pyrazin-2(1H)-yl]-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

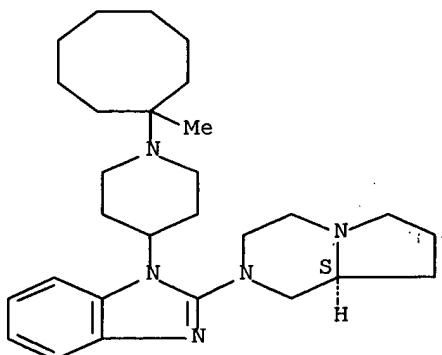
Absolute stereochemistry.



RN 352542-34-8 CAPLUS

CN 1H-Benzimidazole, 2-[(8aS)-hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl]-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

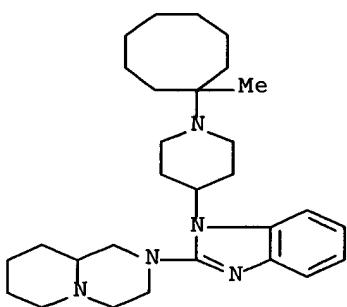
Absolute stereochemistry.



• HCl

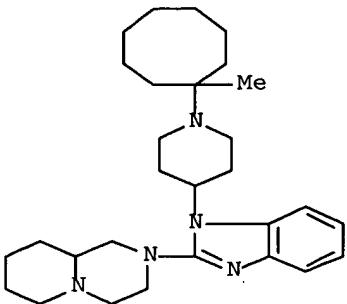
RN 352542-35-9 CAPLUS

CN 2H-Pyrido[1,2-a]pyrazine, octahydro-2-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 352542-36-0 CAPLUS

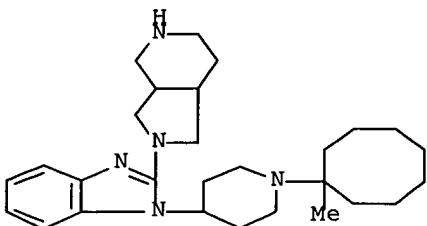
CN 2H-Pyrido[1,2-a]pyrazine, octahydro-2-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)



• HCl

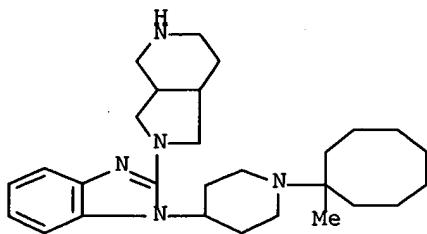
RN 352542-38-2 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-2H-pyrrolo[3,4-c]pyridin-2-yl)- (9CI) (CA INDEX NAME)



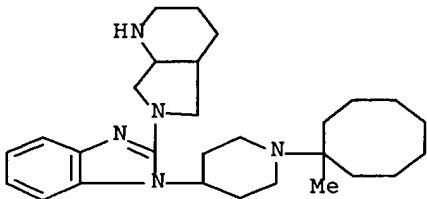
RN 352542-39-3 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-2H-pyrrolo[3,4-c]pyridin-2-yl)-, monohydrochloride (9CI) (CA INDEX NAME)

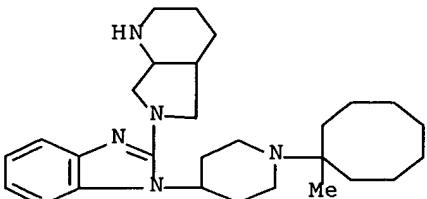


• HCl

RN 352542-40-6 CAPLUS  
 CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-  
 6H-  
 pyrrolo[3,4-b]pyridin-6-yl)- (9CI) (CA INDEX NAME)



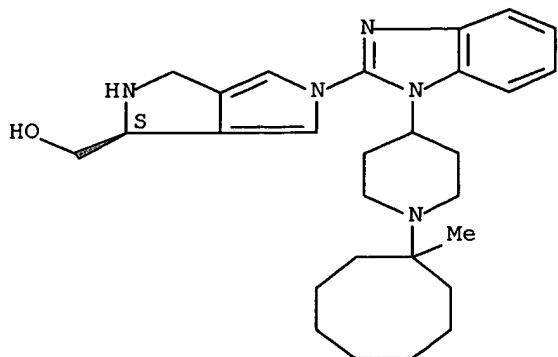
RN 352542-41-7 CAPLUS  
 CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(octahydro-  
 6H-  
 pyrrolo[3,4-b]pyridin-6-yl)-, monohydrochloride (9CI) (CA INDEX NAME)



• HCl

RN 352542-42-8 CAPLUS  
 CN Pyrrolo[3,4-c]pyrrole-1-methanol, 1,2,3,5-tetrahydro-5-[1-[1-(1-  
 methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, (1S)- (9CI)  
 (CA  
 INDEX NAME)

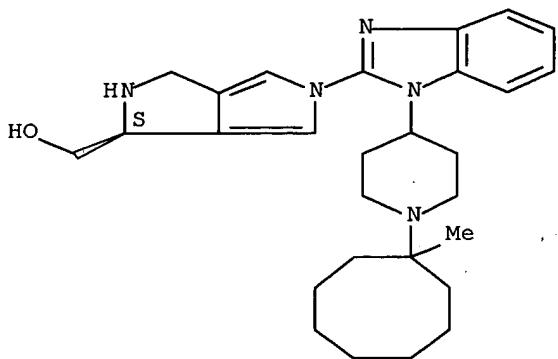
Absolute stereochemistry.



RN 352542-43-9 CAPLUS

CN Pyrrolo[3,4-c]pyrrole-1-methanol, 1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride, (1S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

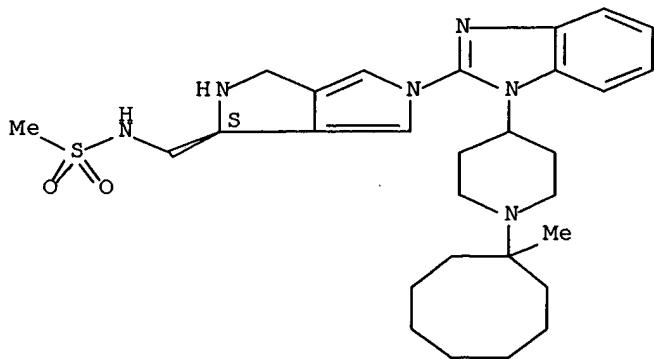


● HCl

RN 352542-44-0 CAPLUS

CN Methanesulfonamide, N-[[[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl]- (9CI) (CA INDEX NAME)

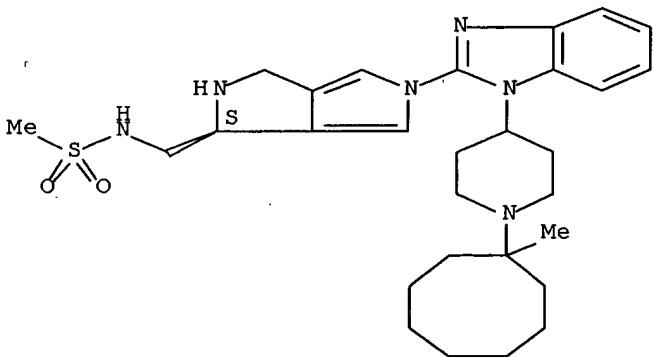
Absolute stereochemistry.



RN 352542-45-1 CAPLUS

CN Methanesulfonamide, N-[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

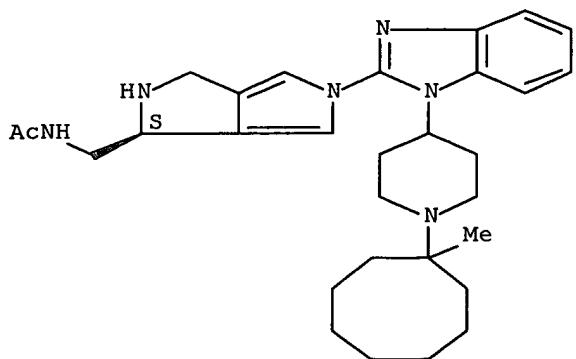


© HCl

RN 352542-46-2 CAPLUS

CN Acetamide, N-[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl- (9CI) (CA INDEX NAME)

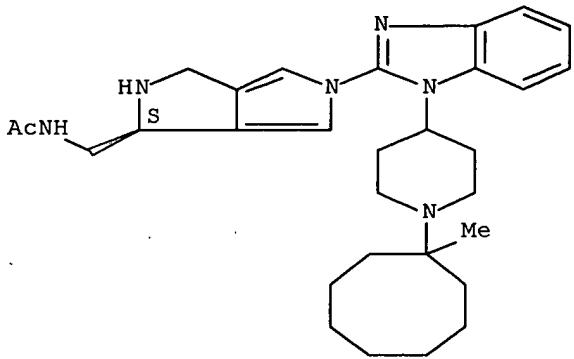
Absolute stereochemistry.



RN 352542-47-3 CAPLUS

CN Acetamide, N-[(1S)-1,2,3,5-tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]pyrrolo[3,4-c]pyrrol-1-yl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

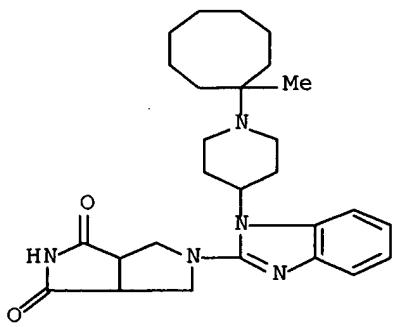
Absolute stereochemistry.



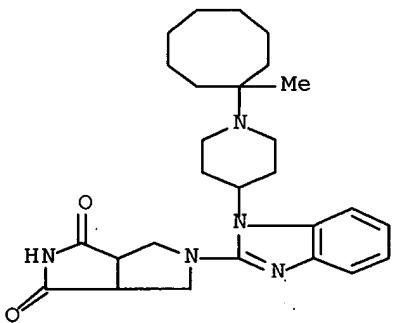
● HCl

RN 352542-48-4 CAPLUS

CN Pyrrolo[3,4-c]pyrrole-1,3(2H,3aH)-dione, tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

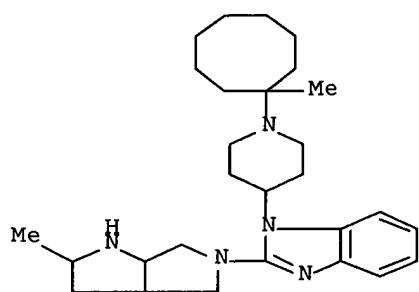


RN 352542-49-5 CAPLUS  
CN Pyrrolo[3,4-c]pyrrole-1,3(2H,3aH)-dione, tetrahydro-5-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride (9CI) (CA INDEX NAME)

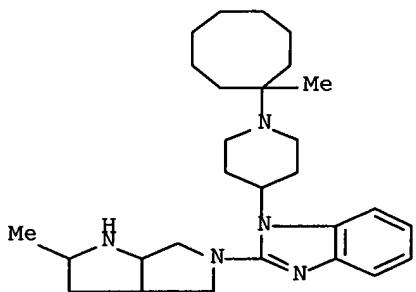


© HCl

RN 352542-50-8 CAPLUS  
CN 1H-Benzimidazole, 2-(hexahydro-2-methylpyrrol-5(1H)-yl)-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

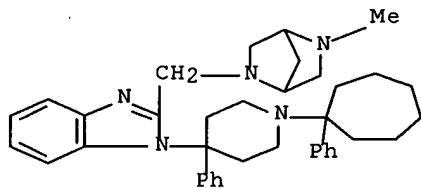


RN 352542-51-9 CAPLUS  
 CN 1H-Benzimidazole, 2-(hexahydro-2-methylpyrrolo[3,4-b]pyrrol-5(1H)-yl)-1-[1-  
 (1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX  
 NAME)

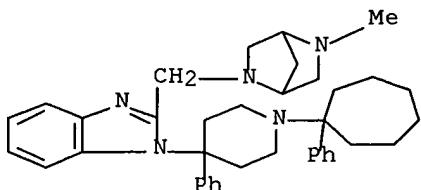


● HCl

RN 352542-52-0 CAPLUS  
 CN 1H-Benzimidazole, 2-[(5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl)methyl]-  
 1-[4-phenyl-1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



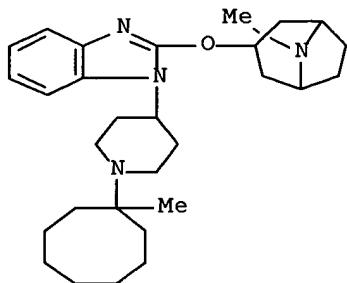
RN 352542-53-1 CAPLUS  
 CN 1H-Benzimidazole, 2-[(5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl)methyl]-  
 1-[4-phenyl-1-(1-phenylcycloheptyl)-4-piperidinyl]-, monohydrochloride  
 (9CI) (CA INDEX NAME)



● HCl

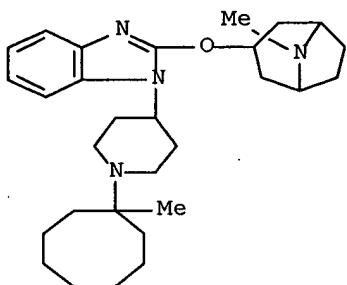
RN 352542-54-2 CAPLUS

CN 1H-Benzimidazole, 2-[(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)oxy]-1-[1-(1-methylcyclooctyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 352542-55-3 CAPLUS

CN 1H-Benzimidazole, 2-[(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)oxy]-1-[1-(1-methylcyclooctyl)-4-piperidinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

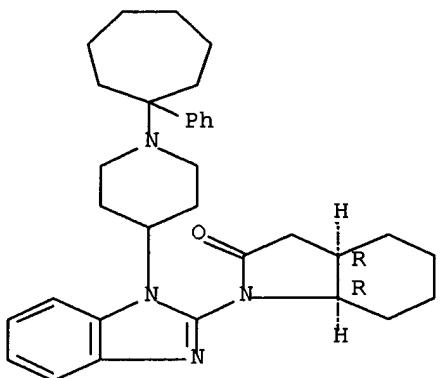


( HCl

RN 352542-56-4 CAPLUS

CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, (3aR,7aR)- (9CI) (CA INDEX NAME)

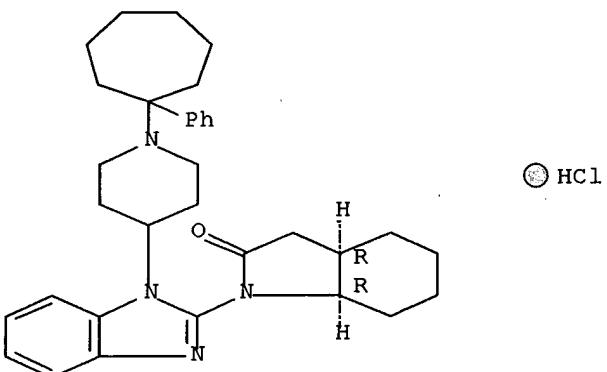
Absolute stereochemistry.



RN 352542-57-5 CAPLUS

CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, monohydrochloride, (3aR,7aR)- (9CI) (CA INDEX NAME)

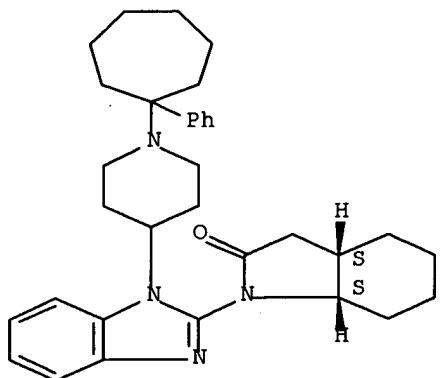
Absolute stereochemistry.



RN 352542-59-7 CAPLUS

CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, (3aS,7aS)- (9CI) (CA INDEX NAME)

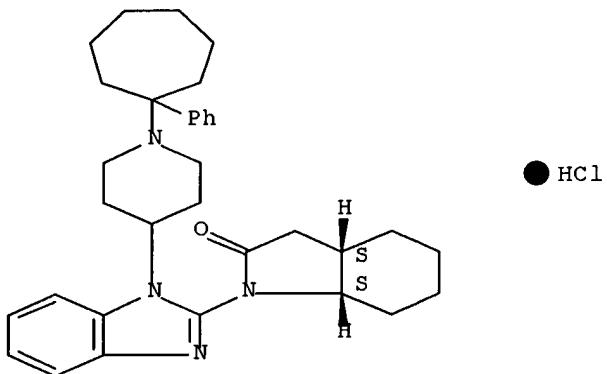
Absolute stereochemistry.



RN 352542-60-0 CAPLUS

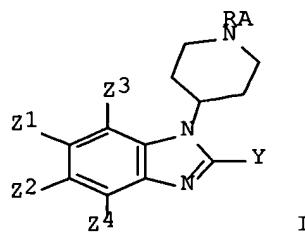
CN 2H-Indol-2-one, octahydro-1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-  
benzimidazol-2-yl]-, monohydrochloride, (3aS,7aS)- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS  
 AN 2000:117042 CAPLUS  
 DN 132:151821  
 TI Preparation of 2-substituted-1-piperidylbenzimidazoles as ORL1 receptor agonists.  
 IN Ito, Fumitaka; Noguchi, Hirohide; Kondo, Hiroshi  
 PA Pfizer Pharmaceuticals Inc., Japan; Pfizer Inc.  
 SO PCT Int. Appl., 127 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 20000008013	A2	20000217	WO 1999-IB1239	19990705
	WO 20000008013	A3	20000323		
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9943859	A1	20000228	AU 1999-43859	19990705
	EP 1102762	A2	20010530	EP 1999-926688	19990705
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
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	US 6172067	B1	20010109	US 1999-369208	19990805
	NO 2001000603	A	20010405	NO 2001-603	20010205
PRAI	WO 1998-IB1206	W	19980806		
	WO 1999-IB1239	W	19990705		
OS	MARPAT	132:151821			
GI					



AB Title compds. [I; R = (substituted) mono-, di-, tri-, or tetracycloalkyl; A = alkyl, haloalkyl, alkenyl, alkynyl, (substituted) phenylalkyl, aryl, heteroaryl, heterocyclyl; Y = H, halo, amino, SH, (substituted) alkyl-M, cycloalkyl-M, alkenyl-M, alkyl-NH-alkyl-M, dialkyl-N-alkyl-M, aryl-M, heterocyclyl-M, arylalkyl-M, etc.; M = bond, O, S, NH S, SO, SO<sub>2</sub>, etc.; Z1-Z4 = H, halo, alkyl, haloalkyl, alkoxy, alkylsulfonyl, alkylcarbonyl, CO<sub>2</sub>H, amino, H<sub>2</sub>NCO, Ph, naphthyl, etc.], were prep'd. as ORL1 receptor agonists (no data). Thus, 2-chloro-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]benzimidazole (prepn. given) was stirred with MeNH<sub>2</sub> in MeOH in an autoclave at 110.degree. for 6 h to give N-methyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-

2-amine.

IT 258286-77-0P 258286-79-2P 258286-80-5P  
258286-84-9P 258286-87-2P 258286-88-3P  
258286-98-5P 258286-99-6P 258287-00-2P  
258287-07-9P 258287-08-0P 258287-09-1P  
258287-19-3P 258287-20-6P 258287-21-7P  
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258287-54-6P 258287-59-1P 258287-60-4P  
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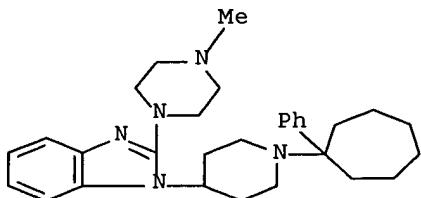
RL: BAC (Biological activity or effector, except adverse); SPN

(Synthetic

preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
(Preparation); USES (Uses)  
(prep. of 2-substituted-1-piperidylbenzimidazoles as ORL1 receptor  
agonists)

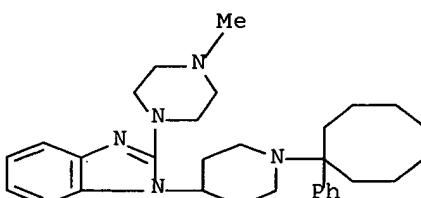
RN 258286-77-0 CAPPLUS

CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-  
4-piperidinyl]- (9CI) (CA INDEX NAME)

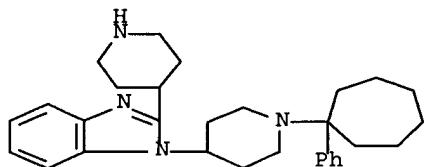


RN 258286-79-2 CAPPLUS

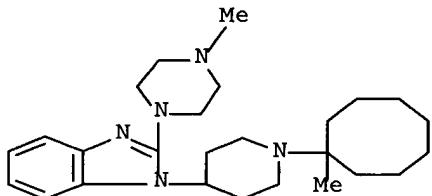
CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclooctyl)-  
4-piperidinyl]- (9CI) (CA INDEX NAME)



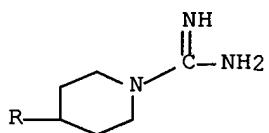
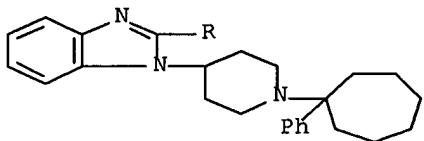
RN 258286-80-5 CAPLUS  
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)- (9CI) (CA INDEX NAME)



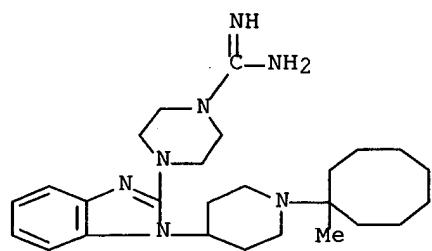
RN 258286-84-9 CAPLUS  
CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(4-methyl-1-piperazinyl)- (9CI) (CA INDEX NAME)



RN 258286-87-2 CAPLUS  
CN 1-Piperidinecarboximidamide, 4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

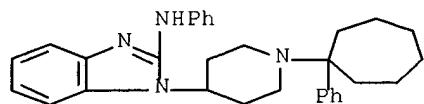


RN 258286-88-3 CAPLUS  
CN 1-Piperazinecarboximidamide, 4-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



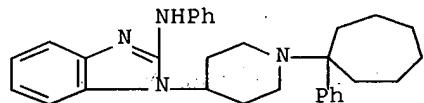
RN 258286-98-5 CAPLUS

CN 1H-Benzimidazol-2-amine, N-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258286-99-6 CAPLUS

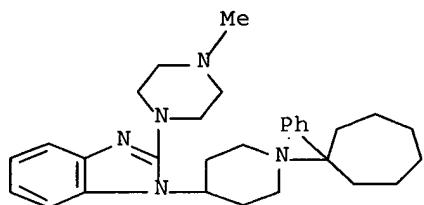
CN 1H-Benzimidazol-2-amine, N-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

RN 258287-00-2 CAPLUS

CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)

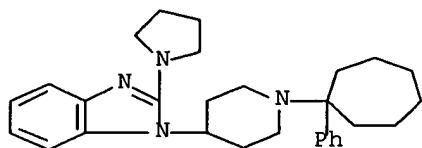


③ HCl

RN 258287-07-9 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-

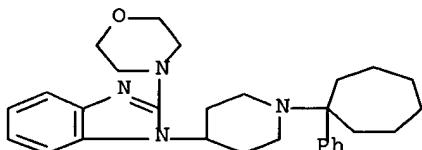
pyrrolidinyl)-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

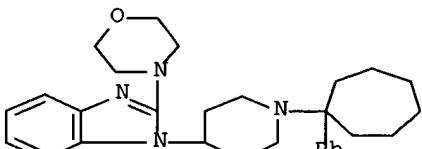
RN 258287-08-0 CAPLUS

CN 1H-Benzimidazole, 2-(4-morpholinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-09-1 CAPLUS

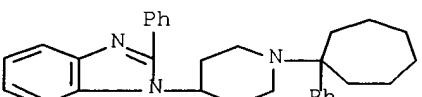
CN 1H-Benzimidazole, 2-(4-morpholinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

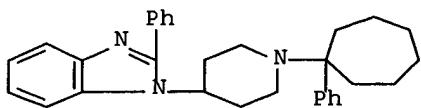
RN 258287-19-3 CAPLUS

CN 1H-Benzimidazole, 2-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-20-6 CAPLUS

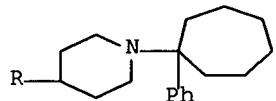
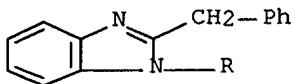
CN 1H-Benzimidazole, 2-phenyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

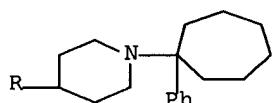
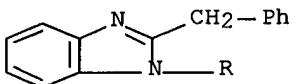
RN 258287-21-7 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 258287-22-8 CAPLUS

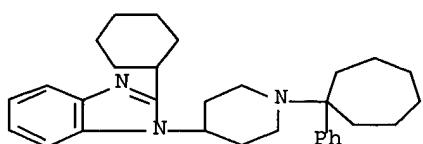
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

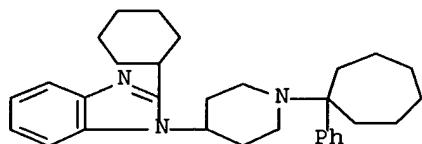
RN 258287-23-9 CAPLUS

CN 1H-Benzimidazole, 2-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-24-0 CAPLUS

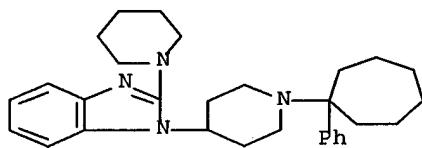
CN 1H-Benzimidazole, 2-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

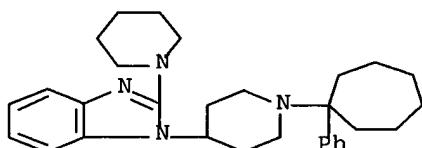
RN 258287-25-1 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-piperidinyl)- (9CI) (CA INDEX NAME)



RN 258287-26-2 CAPLUS

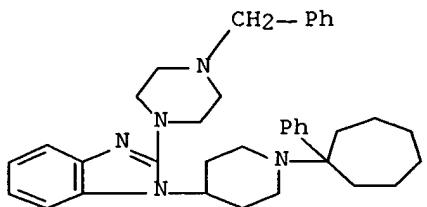
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-piperidinyl)-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

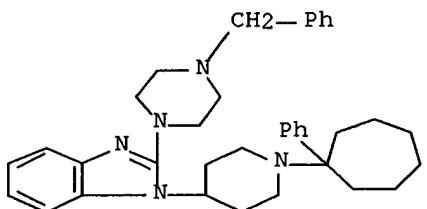
RN 258287-27-3 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[4-(phenylmethyl)-1-piperazinyl]- (9CI) (CA INDEX NAME)



RN 258287-28-4 CAPLUS

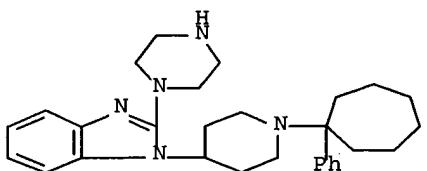
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[4-(phenylmethyl)-1-piperazinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

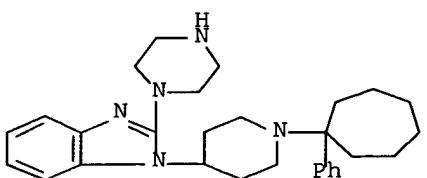
RN 258287-29-5 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-piperazinyl)- (9CI) (CA INDEX NAME)



RN 258287-30-8 CAPLUS

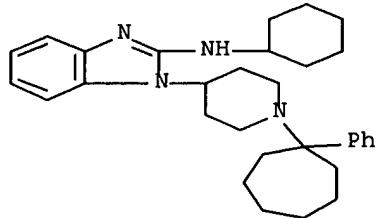
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

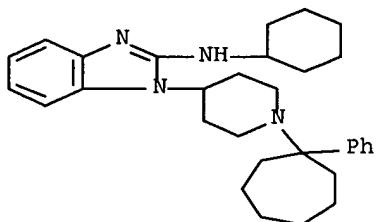
RN 258287-33-1 CAPLUS

CN 1H-Benzimidazol-2-amine, N-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-34-2 CAPLUS

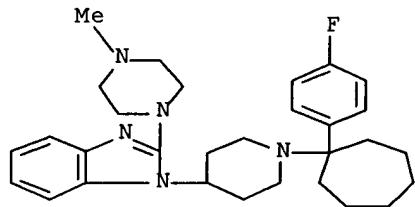
CN 1H-Benzimidazol-2-amine, N-cyclohexyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, hydrochloride (9CI) (CA INDEX NAME)



④x HCl

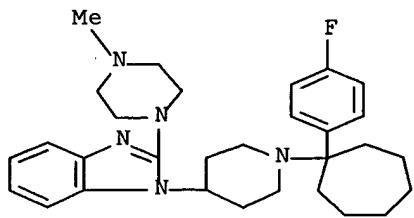
RN 258287-37-5 CAPLUS

CN 1H-Benzimidazole, 1-[1-[1-(4-fluorophenyl)cycloheptyl]-4-piperidinyl]-2-(4-methyl-1-piperazinyl)- (9CI) (CA INDEX NAME)



RN 258287-38-6 CAPLUS

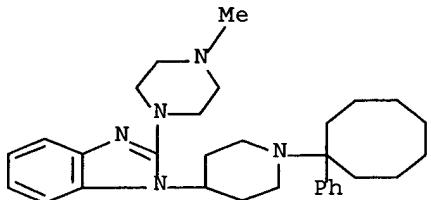
CN 1H-Benzimidazole, 1-[1-[1-(4-fluorophenyl)cycloheptyl]-4-piperidinyl]-2-(4-methyl-1-piperazinyl)-, hydrochloride (9CI) (CA INDEX NAME)



④x HCl

RN 258287-39-7 CAPLUS

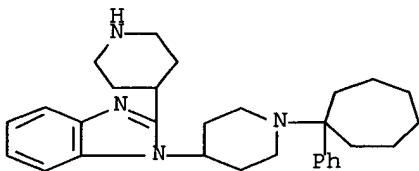
CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclooctyl)-4-piperidinyl]-, hydrochloride (9CI) (CA INDEX NAME)



④x HCl

RN 258287-40-0 CAPLUS

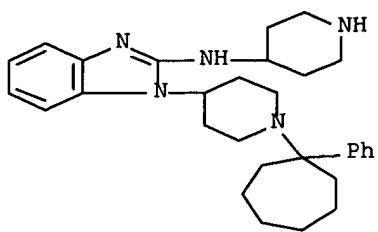
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



④3 HCl

RN 258287-54-6 CAPLUS

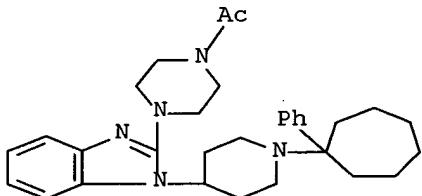
CN 1H-Benzimidazol-2-amine, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-N-4-piperidinyl-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

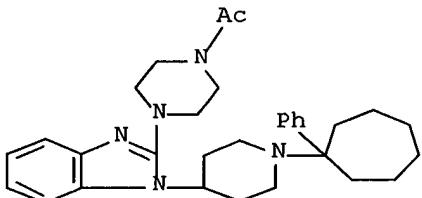
RN 258287-59-1 CAPLUS

CN Piperazine, 1-acetyl-4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 258287-60-4 CAPLUS

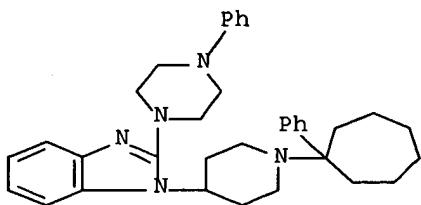
CN Piperazine, 1-acetyl-4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

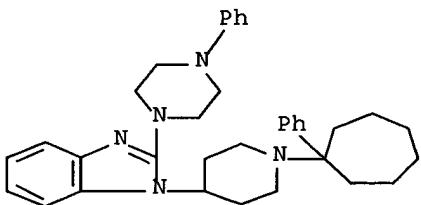
RN 258287-61-5 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-phenylpiperazinyl)- (9CI) (CA INDEX NAME)



RN 258287-62-6 CAPLUS

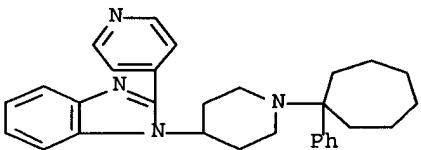
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-phenyl-1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

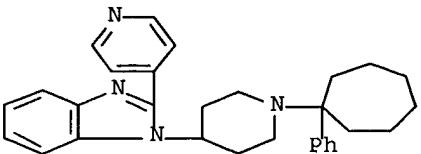
RN 258287-63-7 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 258287-64-8 CAPLUS

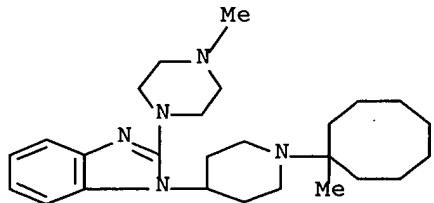
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-pyridinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

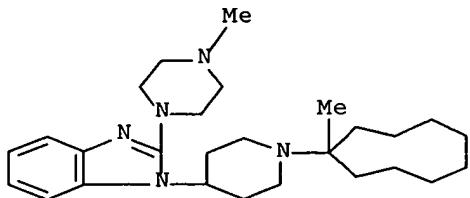
RN 258287-67-1 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(4-methyl-  
1-  
piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)

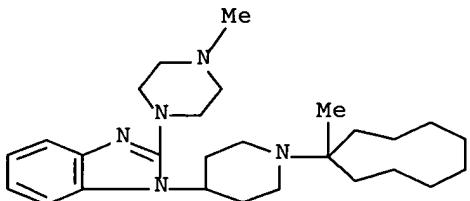


○3 HCl

RN 258287-68-2 CAPLUS  
CN 1H-Benzimidazole, 1-[1-(1-methylcyclononyl)-4-piperidinyl]-2-(4-methyl-  
1-  
piperazinyl)- (9CI) (CA INDEX NAME)

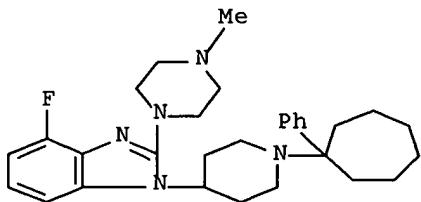


RN 258287-69-3 CAPLUS  
CN 1H-Benzimidazole, 1-[1-(1-methylcyclononyl)-4-piperidinyl]-2-(4-methyl-  
1-  
piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



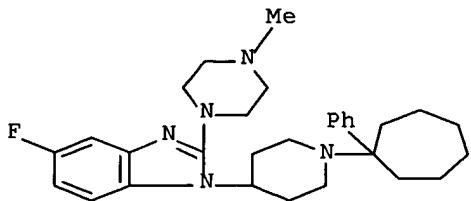
○3 HCl

RN 258287-73-9 CAPLUS  
CN 1H-Benzimidazole, 4-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-  
phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



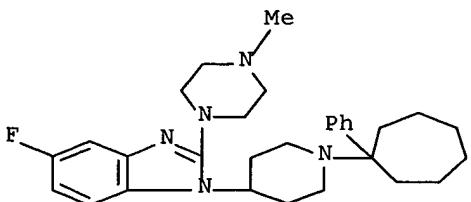
RN 258287-74-0 CAPLUS

CN 1H-Benzimidazole, 5-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



RN 258287-75-1 CAPLUS

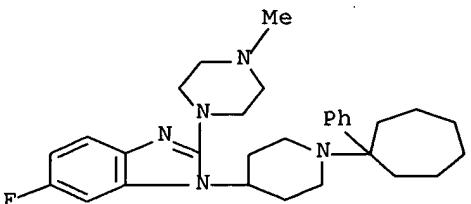
CN 1H-Benzimidazole, 5-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



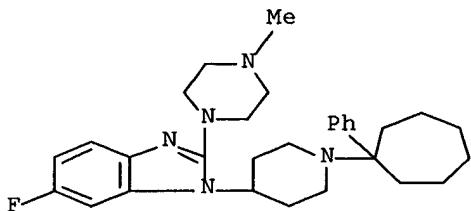
③ HCl

RN 258287-76-2 CAPLUS

CN 1H-Benzimidazole, 6-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

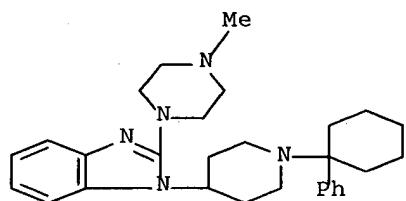


RN 258287-77-3 CAPLUS  
CN 1H-Benzimidazole, 6-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)

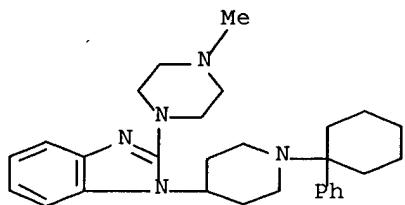


③ HCl

RN 258287-78-4 CAPLUS  
CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclohexyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)

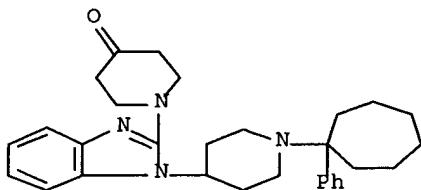


RN 258287-79-5 CAPLUS  
CN 1H-Benzimidazole, 2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcyclohexyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



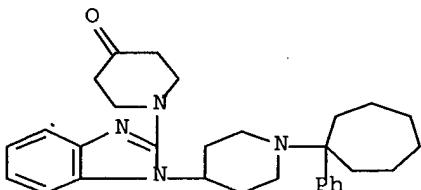
③ HCl

RN 258287-83-1 CAPLUS  
CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 258287-84-2 CAPLUS

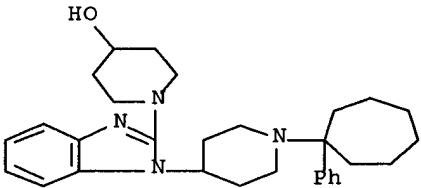
CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



•2 HCl

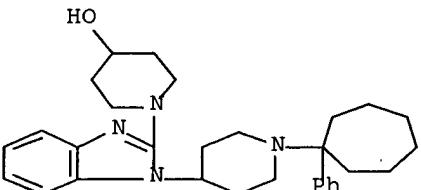
RN 258287-85-3 CAPLUS

CN 4-Piperidinol, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 258287-86-4 CAPLUS

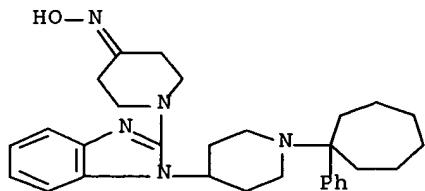
CN 4-Piperidinol, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



•2 HCl

RN 258287-87-5 CAPLUS

CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, oxime (9CI) (CA INDEX NAME)



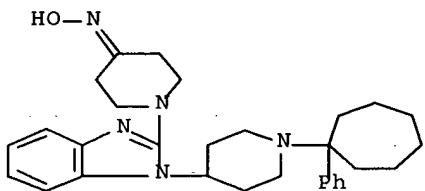
RN 258287-88-6 CAPLUS

CN 4-Piperidinone, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, oxime, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 258287-87-5

CMF C30 H39 N5 O



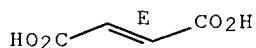
CM 2

CRN 110-17-8

CMF C4 H4 O4

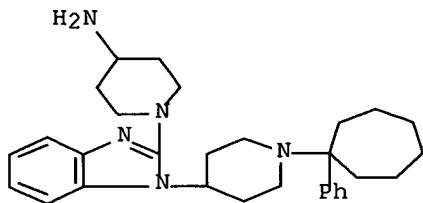
CDES 2:E

Double bond geometry as shown.



RN 258287-89-7 CAPLUS

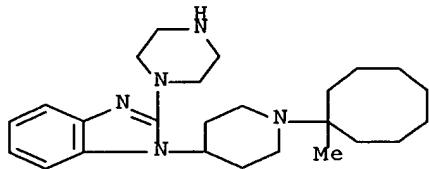
CN 4-Piperidinamine, 1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

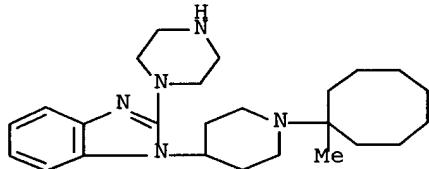
RN 258288-00-5 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(1-piperazinyl)- (9CI) (CA INDEX NAME)



RN 258288-01-6 CAPLUS

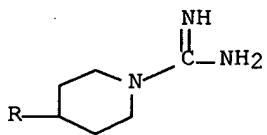
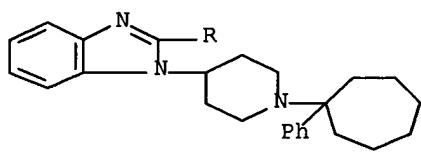
CN 1H-Benzimidazole, 1-[1-(1-methylcyclooctyl)-4-piperidinyl]-2-(1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

RN 258288-03-8 CAPLUS

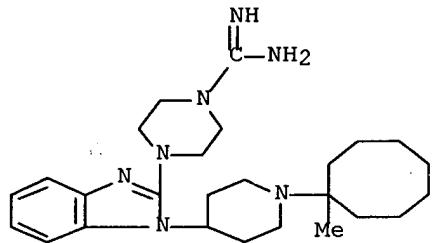
CN 1-Piperidinecarboximidamide, 4-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

RN 258288-04-9 CAPLUS

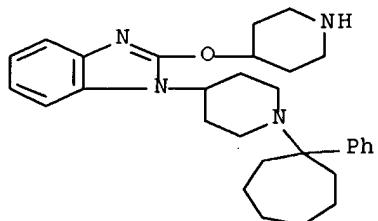
CN 1-Piperazinecarboximidamide, 4-[1-[1-(1-methylcyclooctyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

RN 258288-05-0 CAPLUS

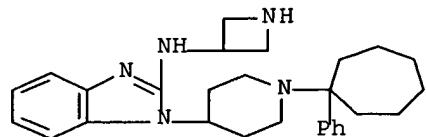
CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyloxy)-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

RN 258288-10-7 CAPLUS

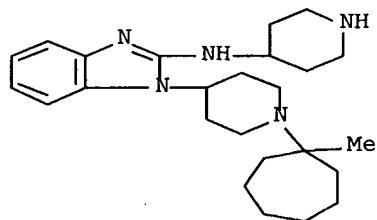
CN 1H-Benzimidazol-2-amine, N-3-azetidinyl-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



③ HCl

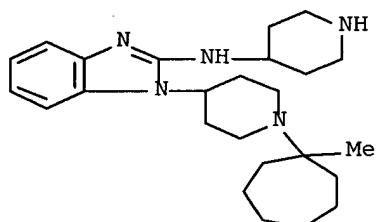
RN 258288-16-3 CAPLUS

CN 1H-Benzimidazol-2-amine, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 258288-18-5 CAPLUS

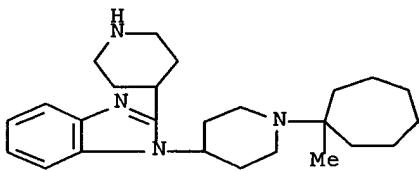
CN 1H-Benzimidazol-2-amine, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-N-4-piperidinyl-, dihydrochloride (9CI) (CA INDEX NAME)



② HCl

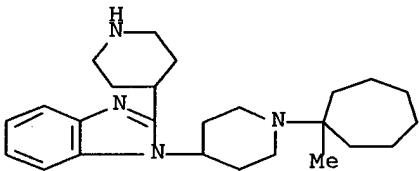
RN 258288-22-1 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)- (9CI) (CA INDEX NAME)



RN 258288-24-3 CAPLUS

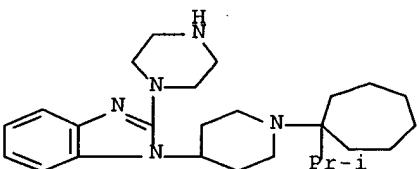
CN 1H-Benzimidazole, 1-[1-(1-methylcycloheptyl)-4-piperidinyl]-2-(4-piperidinyl)-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

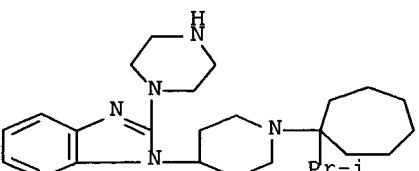
RN 258288-26-5 CAPLUS

CN 1H-Benzimidazole, 1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-2-(1-piperazinyl)- (9CI) (CA INDEX NAME)



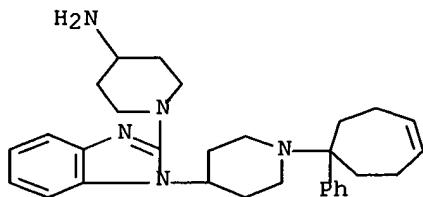
RN 258288-28-7 CAPLUS

CN 1H-Benzimidazole, 1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-2-(1-piperazinyl)-, trihydrochloride (9CI) (CA INDEX NAME)

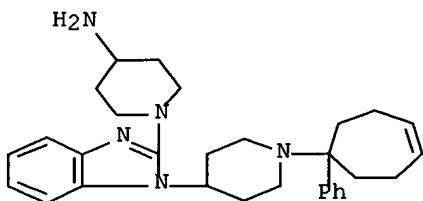


●3 HCl

RN 258288-32-3 CAPLUS  
CN 4-Piperidinamine, 1-[1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-  
1H- benzimidazol-2-yl]- (9CI) (CA INDEX NAME)

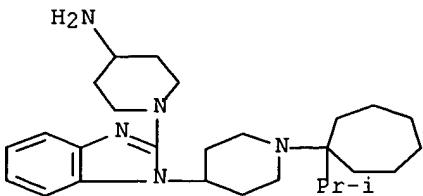


RN 258288-33-4 CAPLUS  
CN 4-Piperidinamine, 1-[1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-  
1H- benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)

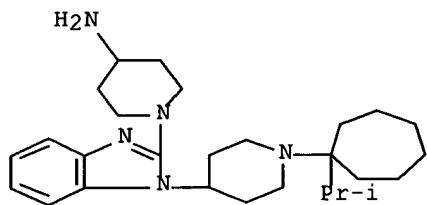


3 HCl

RN 258288-40-3 CAPLUS  
CN 4-Piperidinamine, 1-[1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-  
1H- benzimidazol-2-yl]- (9CI) (CA INDEX NAME)



RN 258288-42-5 CAPLUS  
CN 4-Piperidinamine, 1-[1-[1-[1-(1-methylethyl)cycloheptyl]-4-piperidinyl]-  
1H- benzimidazol-2-yl]-, trihydrochloride (9CI) (CA INDEX NAME)

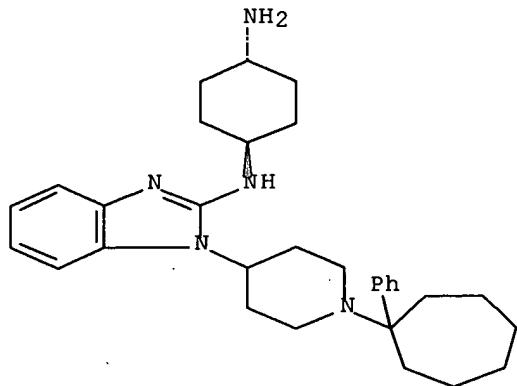


③ HCl

RN 258288-44-7 CAPLUS

CN 1,4-Cyclohexanediamine, N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trans- (9CI) (CA INDEX NAME)

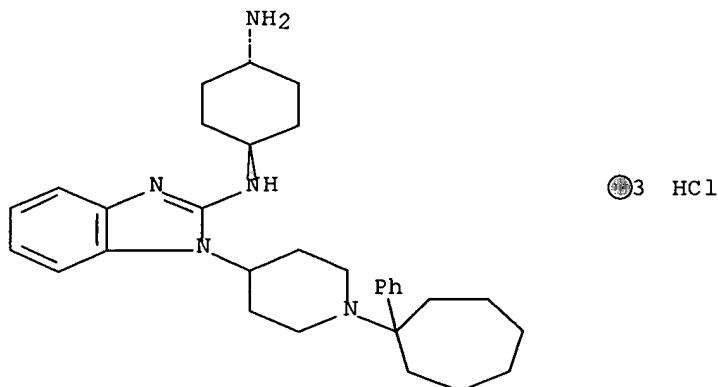
Relative stereochemistry.



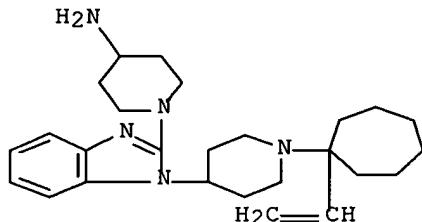
RN 258288-46-9 CAPLUS

CN 1,4-Cyclohexanediamine, N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, trihydrochloride, trans- (9CI) (CA INDEX NAME)

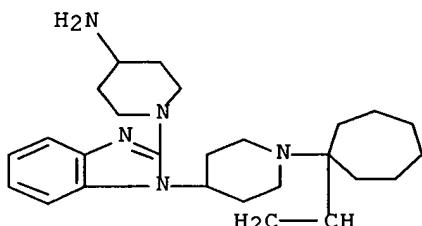
Relative stereochemistry.



RN 258288-50-5 CAPLUS  
CN 4-Piperidinamine, 1-[1-[1-(1-ethenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl] - (9CI) (CA INDEX NAME)

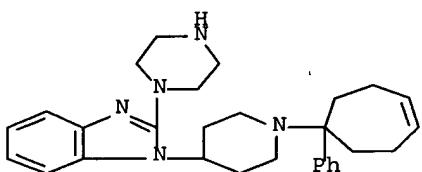


RN 258288-51-6 CAPLUS  
CN 4-Piperidinamine, 1-[1-[1-(1-ethenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl] -, dihydrochloride (9CI) (CA INDEX NAME)

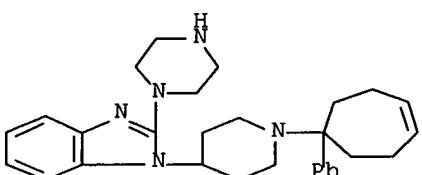


O<sub>2</sub> HCl

RN 258288-56-1 CAPLUS  
CN 1H-Benzimidazole, 1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-2-(1-piperazinyl) - (9CI) (CA INDEX NAME)



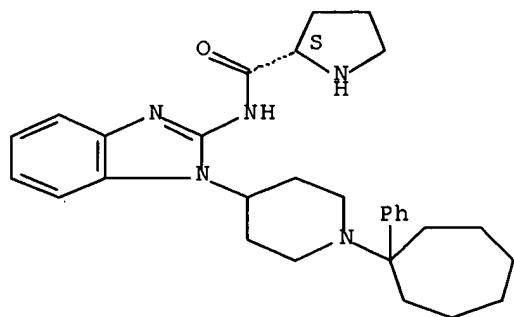
RN 258288-57-2 CAPLUS  
CN 1H-Benzimidazole, 1-[1-(1-phenyl-4-cyclohepten-1-yl)-4-piperidinyl]-2-(1-piperazinyl) -, trihydrochloride (9CI) (CA INDEX NAME)



O<sub>3</sub> HCl

RN 258288-74-3 CAPLUS  
CN 2-Pyrrolidinecarboxamide, N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl] -, dihydrochloride, (2S) - (9CI) (CA INDEX NAME)

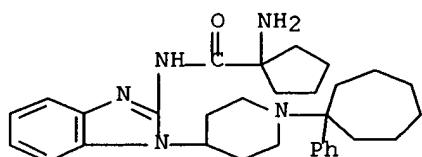
Absolute stereochemistry.



O2 HCl

RN 258288-79-8 CAPLUS

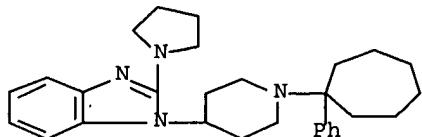
CN Cyclopentanecarboxamide, 1-amino-N-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-, dihydrochloride (9CI) (CA INDEX NAME)



O2 HCl

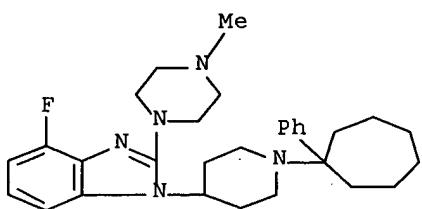
RN 258289-05-3 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



RN 258289-06-4 CAPLUS

CN 1H-Benzimidazole, 4-fluoro-2-(4-methyl-1-piperazinyl)-1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-, trihydrochloride (9CI) (CA INDEX NAME)



O3 HCl

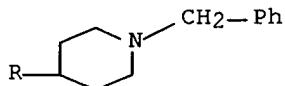
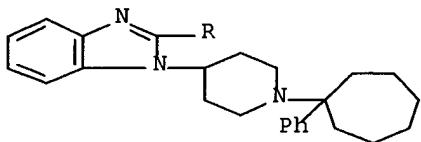
IT 258288-83-4P 258288-86-7P 258288-87-8P

**258288-88-9P 258288-89-0P 258288-90-3P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of 2-substituted-1-piperidylbenzimidazoles as ORL1 receptor  
agonists)

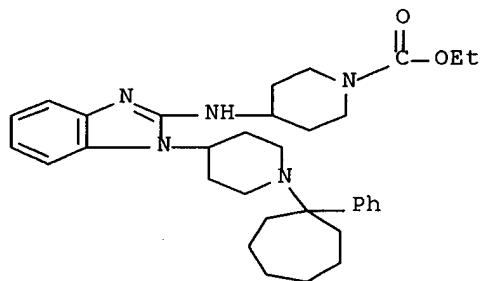
RN 258288-83-4 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[1-(phenylmethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



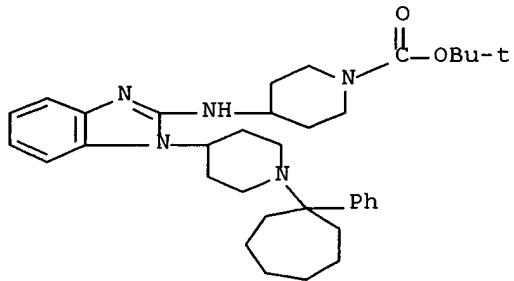
RN 258288-86-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



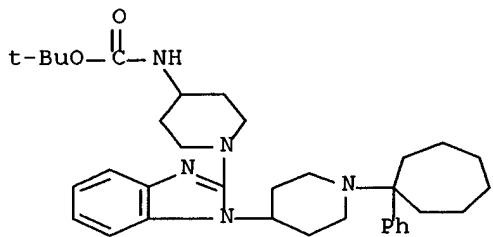
RN 258288-87-8 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]amino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



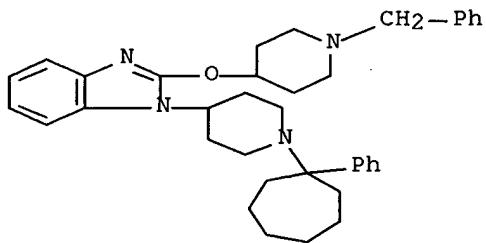
RN 258288-88-9 CAPLUS

CN Carbamic acid, [1-[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



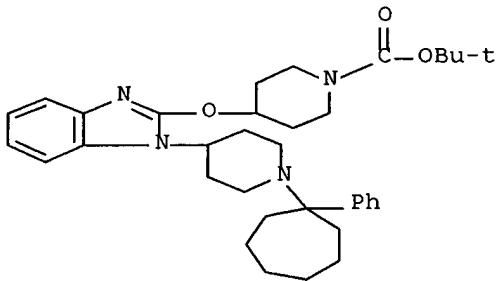
RN 258288-89-0 CAPLUS

CN 1H-Benzimidazole, 1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-2-[(1-phenylmethyl)-4-piperidinyl]oxy- (9CI) (CA INDEX NAME)



RN 258288-90-3 CAPLUS

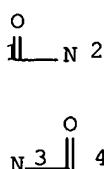
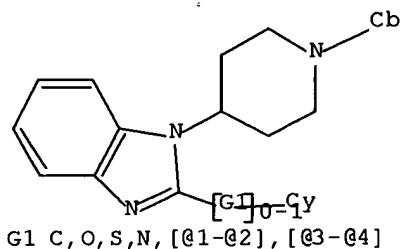
CN 1-Piperidinecarboxylic acid, 4-[[1-[1-(1-phenylcycloheptyl)-4-piperidinyl]-1H-benzimidazol-2-yl]oxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



=> d l1; d his; log y

L1 HAS NO ANSWERS

L1 STR



G1 C, O, S, N, [ @1-@2 ], [ @3-@4 ]

Structure attributes must be viewed using STN Express query preparation.

(FILE 'REGISTRY' ENTERED AT 16:11:17 ON 03 DEC 2001)

DEL HIS Y

L1 STRUCTURE uploaded

L2 8 S L1

L3 141 S L1 FUL

FILE 'CAPLUS' ENTERED AT 16:14:42 ON 03 DEC 2001

L4 2 S L3

FILE 'BEILSTEIN' ENTERED AT 16:16:37 ON 03 DEC 2001

L5 0 S L1

L6 0 S L1 FUL

FILE 'MARPAT' ENTERED AT 16:17:07 ON 03 DEC 2001

L7 0 S L1

L8 2 S L1 FUL

L9 0 S L8 NOT L4

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

94.62

239.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
ENTRY

TOTAL  
SESSION

CA SUBSCRIBER PRICE

0.00

-1.18

STN INTERNATIONAL LOGOFF AT 16:18:19 ON 03 DEC 2001